Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claim 1.   (Currently Amended) A method for identifying a ~~leukocyte that is~~leukemia of T cell, B cell, or myeloid lineage in a ~~human~~subject, said method comprising:

~~obtaining a biological sample that comprises leukocytes from said human subject, said sample comprising at least one surface marker antigen that is present on the cell surface of a type of leukocyte;~~

contacting ~~said~~a biological sample comprising leukocytes from the subject with an array of immunoglobulin molecules immobilized to a solid support, wherein the immunoglobulin molecules are specific for ~~said~~cell surface marker antigens, ~~and~~wherein the cell surface marker antigens comprise at least seven cell surface marker antigens~~comprise CD3, CD4, CD8, CD14, CD19, and CD56~~ selected from the list in Table 4, and wherein the cell surface marker antigens distinguish leukemias of T cell, B cell, or myeloid lineage; and

determining which cell surface marker antigens have bound to which immobilized immunoglobulin molecules to establish a ~~discriminatory image of antigen expression and which expression~~differential pattern of density of binding that ~~is characteristic of~~identifies a ~~leukocyte~~leukemia that is of T cell, B cell, or myeloid lineage.

Claim 2.   (Previously Presented) The method of Claim 1, wherein the immunoglobulin molecules are monoclonal antibodies.

Claims 3. – 17.   (Canceled)

Claim 18.   (Previously Presented) The method of Claim 1 wherein the immunoglobulin molecules are polyclonal antibodies.

Claim 19.   (Previously Presented) The method of Claim 1 wherein the biological sample is selected from the list consisting of cells, cell debris, cell extracts, tissue fluid, serum, plasma, blood, cerebrospinal fluid, urine, lymphatic fluid, seminal fluid, aspirate, bone marrow aspirate and mucus.

Claim 20.   (Previously Presented) The method of Claim 19 wherein the biological sample is blood.

Claim 21.   (Previously Presented) The method of Claim 1, wherein the immunoglobulin molecules are antigen binding fragments of immunoglobulin molecules.

Claim 22.   (New) The method of claim 1 wherein the subject is a human.

Claim 23.   (New) The method of claim 1 wherein the subject is a non-human animal.